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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/708,345	02/25/2004	JIALIN YANG	81091784 (203-0946)	2344
75	90 12/14/2005		EXAMINER	
Artz & Artz, P.C. 28333 Telegraph Road, Suite 250			HUYNH, HAI H	
Southfield, MI			ART UNIT PAPER NUMBER	
,			3747	
			DATE MAILED: 12/14/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

			88				
	Application No.	Applicant(s)					
	10/708,345	YANG ET AL.					
Office Action Summary	Examiner	Art Unit					
·	Hai H. Huynh	3747					
The MAILING DATE of this communication apperiod for Reply	ppears on the cover sheet	with the correspondence addre	ess				
A SHORTENED STATUTORY PERIOD FOR REP WHICHEVER IS LONGER, FROM THE MAILING I - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory perio - Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATED IN 1.136(a). In no event, however, may divid apply and will expire SIX (6) Mute, cause the application to become	NICATION. a reply be timely filed ONTHS from the mailing date of this comm ABANDONED (35 U.S.C. § 133).					
Status	•	•					
1) Responsive to communication(s) filed on <u>07</u>	October 2005.						
2a) This action is FINAL . 2b) ⊠ Th	is action is non-final.	•	•				
3) Since this application is in condition for allow	·	· · · · · · · · · · · · · · · · · · ·	erits is				
closed in accordance with the practice under	Ex parte Quayle, 1935 C	.D. 11, 453 O.G. 213.					
Disposition of Claims							
4) Claim(s) <u>1-28</u> is/are pending in the application 4a) Of the above claim(s) <u>7-28</u> is/are withdray			•				
5) Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>1-6</u> is/are rejected. 7)□ Claim(s) is/are objected to.							
8) Claim(s) are subject to restriction and	or election requirement.						
		•					
Application Papers			,				
9) The specification is objected to by the Examiner.							
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the	·		, ,				
Priority under 35 U.S.C. § 119			•				
12) ☐ Acknowledgment is made of a claim for foreignal ☐ All b) ☐ Some * c) ☐ None of:	n priority under 35 U.S.C	. § 119(a)-(d) or (f).					
1. Certified copies of the priority docume	nts have been received.						
2. Certified copies of the priority documents have been received in Application No							
3. Copies of the certified copies of the priority documents have been received in this National Stage							
application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a list of the certified copies not received.							
	•						
Attachment(s)	,						
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) 		v Summary (PTO-413) o(s)/Mail Date					
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date 2-25-04 & 3-1-04.		f Informal Patent Application (PTO-15	5 2) .				

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DETAILED ACTION

1. Applicant's election without traverse of Group I, claims 1-6 in the reply filed on October 7, 2005 is acknowledged.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claims 1-6 are rejected under 35 U.S.C. 102(e) as being anticipated by Yang (2003/0131805).

Yang teaches at least one cylinder including at least one intake valve and at least one exhaust valve; and at least one cam operatively connected to said intake and exhaust valves, wherein in SI mode, said cam operating said intake valve such that an intake cam movement event length is approximately 280 to 320 cad (see [0023]-[0030]).

3. Claims 1-6 are rejected under 35 U.S.C. 102(e) as being anticipated by Unger et al (6,752,123).

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Unger et al teach a changeover process from the SI operation to the HCCI with a variable valve timing device for controlling the opening and closing of the intake and exhaust valves (see col. 6 lines 17-60).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hai H. Huynh whose telephone number is (571) 272-4844. The examiner can normally be reached on Monday through Thursday from 7:30 am to 6:00 pm.

The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR.

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Hai H. Huynh Primary Examiner Art Unit 3747